

# South Troy Brownfields Sampling Documents

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# Agenda

- Site Selection Update
- EPA Document Requirements
- Site Specific Planning Documents

# Site Selection



City of Troy Property  
(formerly Scolite)



South Troy Industrial Park



King Fuels

# Site: King Fuels

- Much of site was investigated as part of the NiMo Manufactured Gas assessment. We had intended to investigate the petroleum remediation soil located north of Wynants Kill.
- This spring King Fuels investigated that soil – report as of May 13. Some material meets DEC standards for ‘clean’ soil and will be removed. Remaining soil is being monitored.
- Result: we don’t need to use our limited EPA funds to investigate this site.



# Site: IDA

- IDA applied to DEC to participate in the Voluntary Cleanup Program (VCP). Our investigation supplements this program providing federal grant funds, rather than 75% state, 25% county funds.
- As part of the VCP, DEC has required a tighter grid than we had initially anticipated.
- Result: We will investigate a portion of the IDA property, the area between NewPenn and the Jail has been selected because that area represents a defined area which has had market interest.





# Site Selection

- The resources freed up from King Fuels will likely be redistributed to:
  1. Enhanced testing of the Scolite property
  - OR
  2. Additional acreage on the IDA property.





# Documents Required by EPA

- Quality Assurance Project Plan  
(overall planning document)
- Health & Safety Plan  
(describes methodology to protect workers)
- Sampling, Analysis & Monitoring Plan (SAMP)  
(describes sampling methodology)



# Quality Assurance Project Plan

- Project Management
- Measurement/Data Acquisition
  - Sampling Design
  - Preventive Maintenance
  - Sample Handling & Custody Requirements
- Assessment/Oversight
- Data Validation & Usability





# Health & Safety Plan

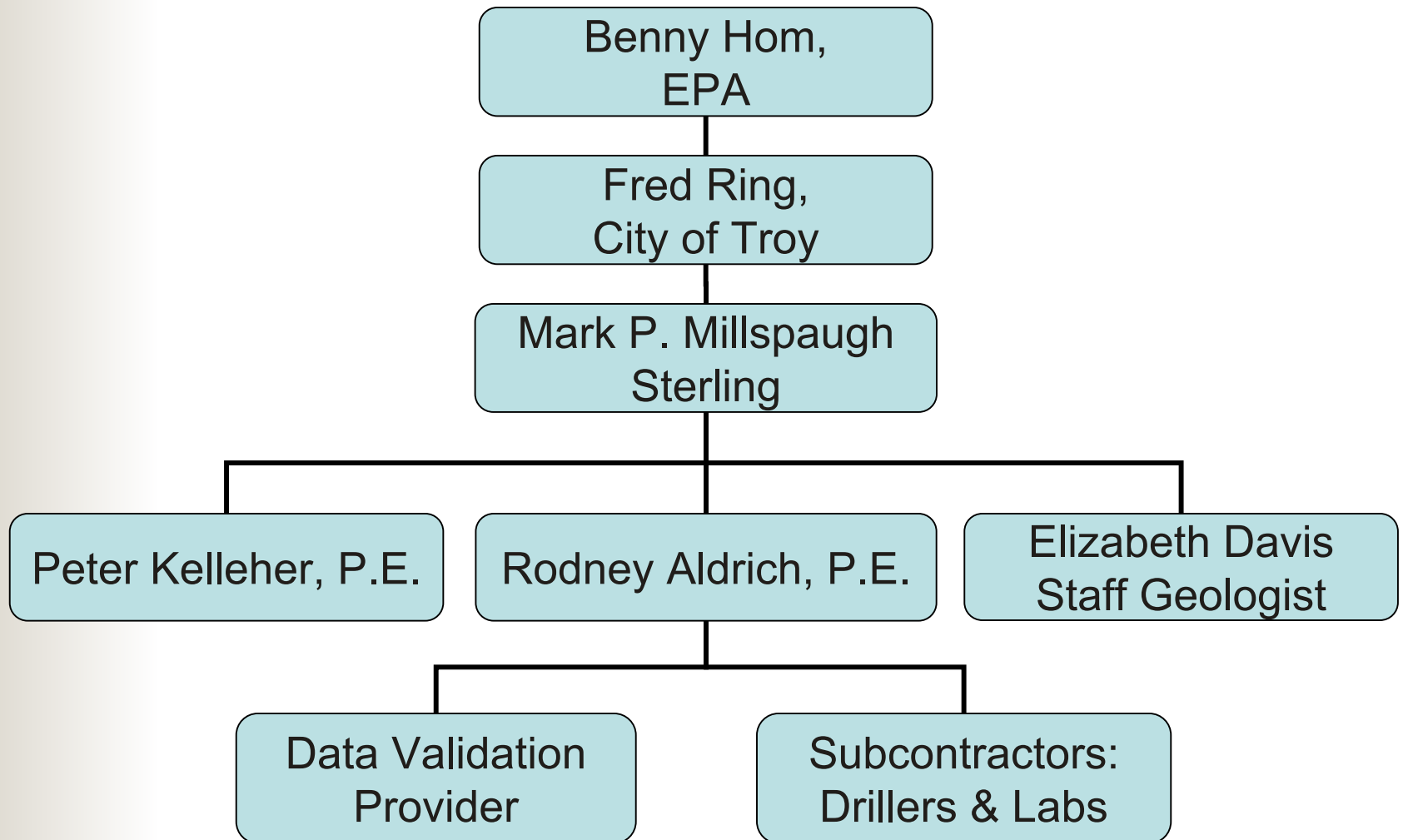
- Character of Sites
- Character of Health & Safety Threats
- Engineering Controls
  - Example: Ventilation: Cloth covered “slinky”
- Personal Protective Equipment
  - Boots, masks, gloves, hard hats, etc.
- Monitoring
  - Meters for gases, etc.



# SAMP: Project Management

- Project Organization and Responsibility
- Problem Definition
- Project Description/Project Time line

# SAMP: Project Organization and Responsibility





# SAMP: Problem Definition

- Site use history
- Suspected contaminants
- Location of Suspected Contaminants
- Range of contaminant concentrations
- Media that may be affected
- Likely migration routes

# Scolite: Problem Definition

## ■ Historical Land Use:

- Foundry (valves, hydrants), Warehouse, Scrap Metal Transfer



## ■ Suspected Contaminants:

- Metals (lead from bronze dust, foundry sand, scrap, mercury from scrap)
- Semi-volatiles (motor fuel oil –1 location)
- PCBs (auto fluff, scrap, railroad)



# Scolite: Problem Definition

- Suspected Contaminant Locations
  - Soils
- Suspected Contaminant Concentrations:
  - Unknown
- Likely Migration routes:
  - Erosion
  - Tracking

# Scolite: Samples

- 5.72 acres
- 46 Surface samples
  - Semi-volatiles
  - Priority Pollutant Metals
  - PCBs
- Where soil is deep enough, samples will be taken in pairs:
  - one at 0 to 6 inches,
  - one at 12 to 18 inches







# Scolite: Sample Distribution

Total of 46 samples:

- 8 within foundry building  
(0 to 6 inches)
- 2 near above-ground vehicle-fuel tank  
(0 to 6 inches)
- 20 within scrap metal area (10 pairs)
- 4 adjacent to railroad (2 pairs)
- 12 other soils (6 pairs)

# IDA Property: Problem Definition

- Historical Land Use:
  - Steel Manufacture
- Suspected Contaminants:
  - Metals (slag)
  - Semi-volatiles (coal tar)





# IDA Property: Problem Definition

- Suspected Contaminant Locations
  - Fill Soils: Depth could be considerable
- Suspected Contaminant Concentrations:
  - Unknown
- Likely Migration routes:
  - Erosion
  - Tracking

# IDA Property: Samples

- 6 acres
- 24 Samples from borings
  - Semi-volatiles
  - Priority Pollutant Metals
- 8 Triplets:
  - Top of boring
  - Highest Hazardous Organic Gas Detector reading
  - Bottom of boring





# IDA Property: Sample Distribution

Total of 24 samples:

- Randomly located but relatively evenly spaced
- A high result will allow area to be investigated between high and low results



# Time Line

Activity	Start	End
Preparation of SAMP	5/01/03	6/30/03
Client Review of SAMP	6/30/03	7/08/03
USEPA Review of SAMP	7/08/03	8/08/03
Revisions of SAMP	8/08/03	9/30/03
Soil Sampling Activities	9/30/03	10/15/03
Analytical Testing and Lab Report	10/15/03	11/07/03
Site Investigation Report	11/07/03	11/21/03
Report Review	11/21/03	11/28/03
Revisions to Site Investigation Report	11/28/03	12/05/03
Submittal of Report to USEPA	12/05/03	



# Next Steps

- Completion & Submission of Sampling Documents
- Documents will be available to the Task Force by email and on the web site:  
<http://www.troynet.net/brownfields>
- Next Task Force meeting will be to review results – hopefully late November